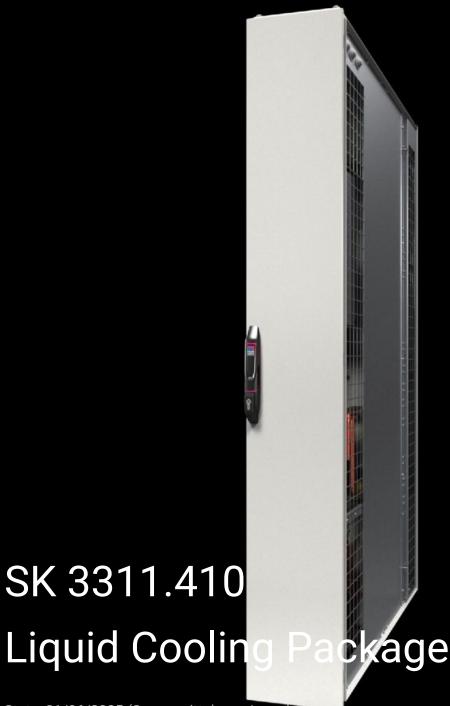
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State: 21/06/2025 (Source: rittal.com/gr-en)



SK 3311.410 - Liquid Cooling Package LCP rack DX, LCP rack DX/FC

Rack-based cooling on one to two IT racks. Continuous cooling output adjustment due to the use of an output-controlled compressor in the LCP Rack DX (evaporator) An external condenser is required to operate the unit.







Features

| Model No. | SK 3311.410 |
|--------------|---|
| Benefits | Maximum energy efficiency due to EC fan technology and IT-based control |
| | Minimal pressure loss at the air end, which in turn minimises the power consumption of the fans |
| | Control of the server inlet temperature |
| | Thanks to the speed-regulated compressor, the cooling output is |
| | ideally adapted to actual requirements |
| | With redundant temperature sensor integrated at the air end as standard |
| | Specific maintenance of the LCP DX due to separation of cooling |
| | and server racks |
| Applications | Ideal for IT cooling of small and medium-sized locations |
| | One or two racks can be cooled separately |

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Features

| Function principle | The LCP draws in the air at the sides at the rear of the server enclosures, cools it using high-performance compact impellers, and blows the cooled air back into the front part of the server enclosure at the sides Absorbed thermal energy is emitted to the ambient air at the external condenser location, without heating up the installation room |
|--|---|
| Material | Sheet steel, spray-finished |
| Options | Humidifier Dehumidification and reheater Condensate drain pump Low-temperature/high-temperature condenser (-40 °C/+53 °C) |
| Design | Rack cooling |
| Monitoring | Direct connection of the unit via SNMP over Ethernet Integration into RiZone |
| Total cooling output to DIN EN 14511 | Useful cooling output L22 L30: 12 kW Useful cooling output L22 L45: 10 kW |
| Total cooling output/Number of fan modules | 12 kW/4 |
| Modulation range | 3 - 12 kW |
| Air throughput (unimpeded air flow) | At 50 Hz: 4,800 m³/h |
| Dimensions | Width: 300 mm Height: 2,000 mm Depth: 1,000 mm |
| To fit enclosure type | TS IT |
| Installation in bayed enclosure suite | Flush |
| Rated operating voltage | 380 V - 480 V, 3~, 60 Hz 400 V, 3~, 50 Hz |
| Rated current max. | At 50 Hz: 7.5 A |
| Max. cooling output | 12 kW |
| Type of electrical connection | Connection clamp |

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Features

| Duty cycle | 100 % |
|---|---|
| Cooling medium | Refrigerant |
| EC fan | Yes |
| Fans may be exchanged with the system operational | Yes |
| Temperature control | Linear fan control Inverter-controlled compressor |
| Start-up current (LRA) | 11 A |
| Pre-fuse | Miniature circuit-breaker/fuse: 20 A |
| Storage temperature range | -20 °C50 °C |
| Operating temperature range | 15 °C35 °C |
| Noise level | At 50 Hz: 69 dB(A) |
| Refrigerant/cooling medium | Refrigerant: R410A Cooling medium: Refrigerant |
| Protection category to IEC 60 529 | IP 20 |
| Options | Humidifier Dehumidification and reheater Condensate drain pump Low-temperature/high-temperature condenser (-40 °C/+53 °C) |
| Packs of | 1 pc(s). |
| Net weight | 193 |
| Gross weight | 207 |
| Customs tariff number | 84186900 |
| EAN | 4028177691315 |
| ETIM 9 | EC002515 |
| ETIM 8 | EC002515 |
| | |

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Approvals

| Certificates | EAC |
|--------------|---------------------------|
| Explanations | Declaration of conformity |

Tender text

Tender text for LCP Rack DX, 3311.410 WHD (mm) 300x2000x1000

LCP Rack DX:

IT-optimised design, providing ideal support for

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